

FIG.1

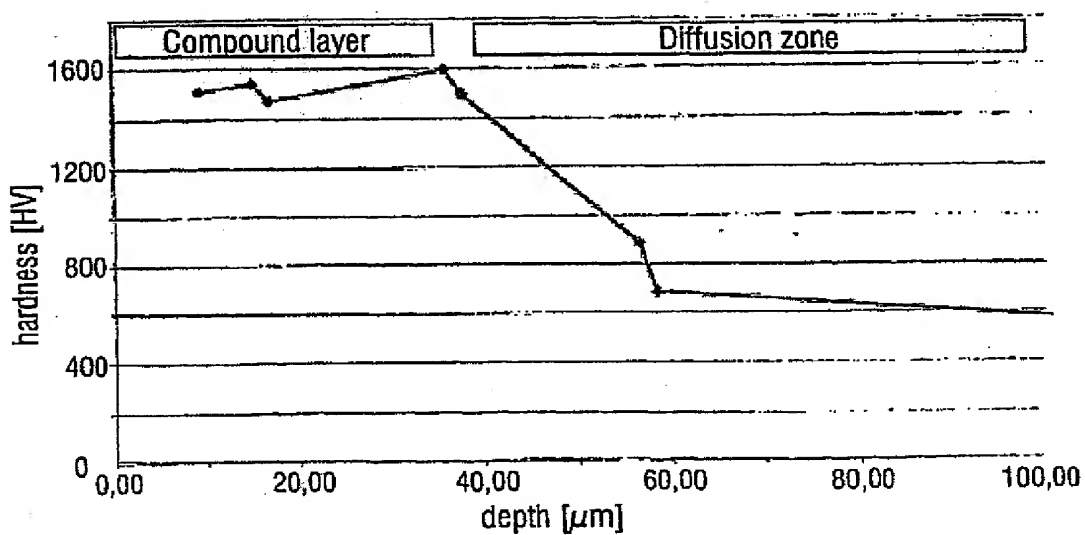


FIG.2

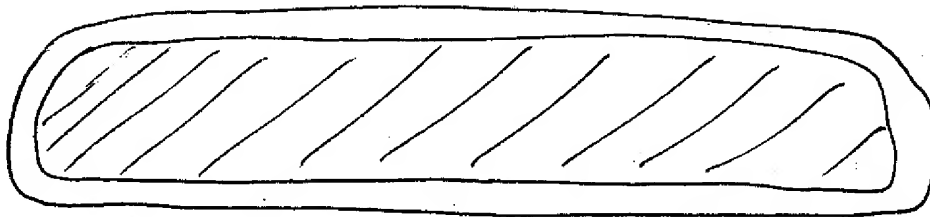
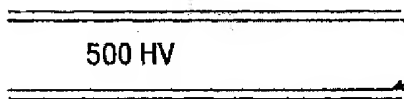
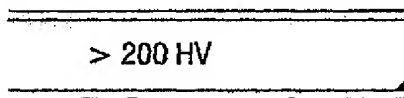


FIG. 3



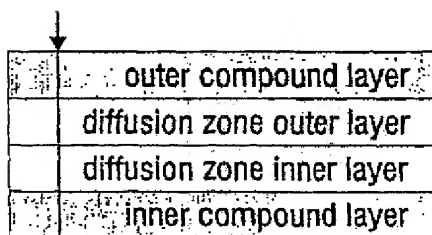
Compound layer
 10 to 20 μm
 Fischer indenter measurements:
 Hardness: 1500 HV
 E-modulus: + 40 GPa (+ 23%)

FIG. 4



Compound layer
 10 to 20 μm
 Hardness: 1400 to 1600HV
 E-modulus:
 + 30 to 50 GPa (+ 17 to 28%)

FIG. 5



thickness lamella $\approx 70 \mu\text{m}$

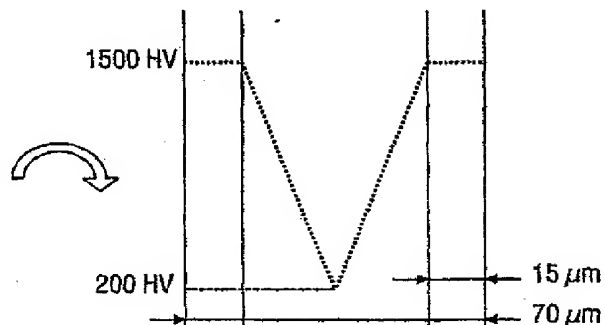


FIG. 6

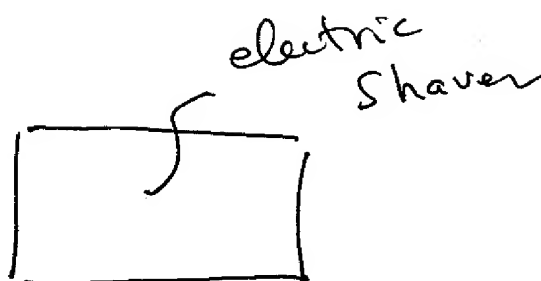


FIG 8